

University News

MONDAY, JANUARY 4, 1968

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INDO-SOVIET YOUTH SEMINAR ON
"DELHI DECLARATION... WORLD PEACE"
(Organized by UNIVERSITY OF POONA & ASSOCIATION OF INDIAN UNIVERSITIES
DEC. 2, 1967)
ИНДИЙСКО-СОВЕТСКИЙ СЕМИНАР МОЛОДЕЖИ:
"ДЕЛИЙСКАЯ ДЕКЛАРАЦИЯ... МИР В СЕМ МИРЕ"
ИНДИЯ



Prof. V.G. Bhide, Vice-Chancellor Poona University, garlanding the Soviet Youth Leader, Mr Vladimir Dymov at the Indo-Soviet Youth Seminar held at Poona University

PUNJAB AGRICULTURAL UNIVERSITY

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MASTER OF BUSINESS ADMINISTRATION

Applications are invited for admission to 18th batch ~~of~~ Master of Business Administration Programme for the academic year, 1988-89 which is likely to be commenced from August, 1988.

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Selection Criteria: There 20 seats and admission will be made on the basis of competitive test interview. Eligible candidates are required to appear in the written test to be held in the month of February March, 1988 at Ludhiana. The test will include academic aptitude, numerical ability and general knowledge. Those candidates who qualify in the written test will be eligible for group discussion and interview. The candidates should be prepared to stay at their own expenses for written test etc. The place, date and timings of test will be communicated individually.

Financial Aid : Liberal financial assistance is available in the shape of fellowships from a number of Business Houses, State Governments and the University. Arrangements are also exist for loan scholarships from Nationalised Banks. The deserving candidates are also eligible for half fee concession as per University Rules.

Applications : The Prospectus alongwith application forms can be obtained from the Registrar by sending crossed Indian Postal Order(s) for Rs. 7 - by post payable to the Comptroller, Punjab Agricultural University at Post Office, PAU, Ludhiana or Rs. 5 - at counter against cash payment. The envelope containing request for application form or the completed application form should be marked **ADMISSION TO MBA**.

The candidates should also attach attested copies of all certificates from Matric onwards with their applications otherwise weightage of marks will not be given to them.

Last Date for Receipt of Applications : 27.1.88

Examination Fee : The applications should be submitted to the Registrar, Punjab Agricultural University, Ludhiana alongwith Indian Postal Order(s) for Rs. 25 - in favour of the Comptroller, PAU, Ludhiana payable at Post Office, PAU, Ludhiana. **APPLICATIONS WITHOUT EXAMINATION FEE OF Rs. 25 - ARE LIABLE TO BE REJECTED.**

Centre for Written Test : Ludhiana.

REGISTRAR

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Editor :
SUTINDER SINGH

Colleges in the Cooperative Sector

A Note

Hon'ble Shri N.T. Rama Rao, Chief Minister, Andhra Pradesh had circulated amongst the Vice-Chancellors gathered at Hyderabad for the 62nd Annual Meeting of the Association of Indian Universities a Policy Note to extend the cooperative principle to the management of Junior Colleges at the Mandal level. This, he said, was aimed at ensuring a wide measure of popular control over the working of institutions. We have pleasure in publishing here below the Note on "Colleges in the Cooperative Sector" as also in what follows the first response that we have received to this proposal from Shri G.B.K. Hooja, former Vice-Chancellor, Gurukul Kangri Vishwavidyalaya, Haridwar. *University News* will welcome academics' considered opinions on the Note.

Runaway expansion of higher education has resulted in serious distortions in the educational system. Besides affecting adversely the allocation of resources to the school education sector, within the higher education sub-sector itself the distortion has resulted in an over emphasis of general education at the expense of technical education. With the obvious limitations to State resources, it has become necessary to encourage private initiative in the higher education sector to supplement Governmental effort. Since the private initiative would also involve the parent and the student, in other words the education system itself would be responsive and responsible.

2. A cooperative form of organisation offers excellent prospects to fulfil this objective.

3. The salient features of the proposed scheme are :

(i) Initially, the scheme will be confined to setting up of Junior college at the Plus-two stage

(ii) The Junior colleges at every Mandal headquarters would have adequate technical infrastructure by way of workshop facilities. This would be a common faculty workshop both for the High Schools within the Mandal area imparting vocational education and the Junior college.

(iii) The membership of the Society will be limited to the parents of students studying in the college who would be A Class Members with voting rights. The membership of the parent in the society ceases with the completion of the study of his children in the college. As such, there will be a change in the membership of the society periodically in relation to the outgoing and incoming students of the institution.

Other donor members will be B Class members without voting rights.

(iv) The College will not charge any capitation fee or such other form of donation or contribution for its development or upkeep.

(v) The college will be permitted to regulate its tuition fees, with

(Continued on page 4)

Management of Junior Colleges

The Andhra Prescription

G.B.K. Hooja*

The Andhra Pradesh Government has under its consideration a proposal to extend the cooperative principle to the management of junior colleges at the Mandal level by seeking active participation of parents and responsible citizens in managing, monitoring and supervising these institutions. It is observed that runaway expansion of higher education has resulted in serious distortions in the educational system. Besides affecting adversely the allocation of resources to the school sector, within the higher education sub-sector itself, there is an over-emphasis on general education at the expense of technical education.

It is proposed to combat these distortions by setting up Junior Colleges at the +2 stage, at every Mandal headquarter. These colleges shall be provided with adequate technical workshop facilities, which shall also be available for use by the High Schools within the Mandal for imparting vocational education. The governance of the college shall vest in a Society consisting of the parents of the students in the college, who would be A Class members with voting rights. They shall cease to be members when their children have passed out of the colleges. Thus there shall always be an influx of new and interested parents who shall manage the college through an Executive Committee, which shall be responsible for supervising and controlling the administration of the institution. It shall periodically review the educational requirements of the community in the light of local needs and developments in Science and Technology, and introduce new branches of study in general and technical disciplines. The college shall have authority to regulate its tuition fees, with the approval of the Government, so as to cover expenditure on its running and a fair return on the capital invested for development and distribution as dividend. It is stipulated that the college shall not charge any capitation fee or receive such other form of donation or contribution for its development or upkeep.

It may be mentioned here that according to the report of a Committee of Vice-Chancellors set up by the Andhra Pradesh Government to propose measures for reorganizing higher education in the state, at the

time of the formation of Andhra Pradesh in 1956, there were 47 colleges in which 21,200 students were enrolled. By 1985, the number of colleges had risen to 354 with 3,18,000 students. In 1956, total education budget on higher education was Rs.92 lakhs, which was 8.6% of the state education budget. In 1985-86, it had risen to Rs. 100 crores, approximating to 20% of the state education budget. At the same time the money spent on elementary education had dropped from 45% in 1956 to 43% in 1983-84. Therefore, the committee observed that any further escalation of proportionate expenditure on higher education would be totally unwarranted in a country where a large percentage of population is still illiterate. "More revealing is the fact that despite the greatly enhanced expenditure on higher education, the proportion of money spent on providing infrastructure facilities has come down considerably through the years," the committee said. It noted that the percentage of the budgeted allocation for the salaries of the staff amounted to 94% of the total budget for higher education and went on to say that if this trend was not arrested, the system of higher education in the state would collapse under its own weight.

The committee was duly alarmed by the fact that on the one hand, there was an unending demand for enrolment in colleges and universities, on the other, there were no avenues of employment for university products, as the curricula and the courses of study were not relevant to the needs of a vibrant, developing society. They did not provide for the acquisition of the necessary skills and knowledge for a purposeful living, gainful employment and self-reliance. They were too rigid and lacked flexibility to enable the student to choose his course of study according to his aptitude and social needs.

The committee, therefore, felt that there was an urgent need for (a) curricular reconstruction; (b) better resource augmentation and utilisation; and (c) for more appropriate management of higher education in the state.

The scheme of the Andhra Pradesh Government now under consideration relates mainly to the management of Junior Colleges at the Mandal level. It may be assumed that curricular reconstruction and resource augmentation shall follow better management, parti-

*Former Vice-Chancellor, Gurukula Kangri Vishwavidyalaya, 5 Abul Fazal Road, New Delhi-110001.

cularly if it is community-based, which is the essence of the scheme seeking to introduce the cooperative principle in college management. It is indeed a novel idea to entrust the governance of the colleges to the parents of the students which is pregnant with possibilities, for there is no doubt that in any educational system, the cooperation of the parents and teachers is bound to yield the best results. It is in fact, the translation of the *Shatapatha Brahmana* statement, *matrimaan pitrimaan aacharyavaan purusho veda*, into practice; and should be watched with interest all over India. Many an institution has organised Parents-Teachers Associations, with healthy results, but an institution governed by parents would be a new experiment, and the Government may, therefore, be well-advised to move cautiously, by introducing it, to begin with, in a few selected and potentially viable institutions.

Andhra Pradesh Government has gone a long way in introducing Panchayati Raj at the Mandal level. The scheme as spelt out does not indicate the nature of relationship of the Governing Body with the Mandal level Panchayati Raj institution; nor does it refer to the share of responsibility and authority to be borne by the teaching community in the implementation of the educational programmes of the college. While the role of the teachers in any college management cannot be over-emphasised, the local administration, too, cannot be ignored in the process of educational development. In this context, the example of the Land Grant Colleges of USA readily comes to mind. These colleges were established in USA around the sixties of the last century to fulfil local, immediate needs of a growing, developing society, and formed the model for the first ever Agricultural Universities set up in India 25 years ago. The products of these universities have played a notable role in bringing about the Green Revolution in India, primarily because their teaching and research was problem-oriented, and secondly because by and large they kept aloof from politics and devoted themselves to technical issues by maintaining a two-way traffic between the farm and the research station. It is noteworthy that they are not saddled by large, cumbersome senates, but are governed by small, working bodies, called the Boards of Control.

It may be recalled here that under the guidance of Dr J.P. Naik, Citizens for Democracy prepared a Policy Frame for the Development of Education (1978-1987) which was published under the title, *Education for Our people*. It carried a foreword by Lok Nayak J.P. Narayan. Appreciating the primacy of work at the grassroot level, it emphasised the importance of creation of "living education cells" in the local communities.

It was noted that work at this level, and particularly in rural areas was extremely important. It was felt that when this work was developed adequately, new ideas might be generated therein and rise to the top to give new directions to policy. "Let us not forget that the educational revolution we need cannot begin in Delhi and spread to the villages. The probability that it may begin in villages and ultimately reach Delhi is far greater," said the document in a challenging strain. But nobody took up the challenge. We are now at the end of the 10 year period for which this programme was formulated. The authors of this Programme had



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felt the need for organising a mass movement to bring pressure on the Government to play its due role in the education of the people. "The entire ethos of the system needs to be radically transformed to create a climate of sustained hard work and dedication," they said. Here we are at the end of the stipulated period, but the educational scenario is as bleak as ever with 2/3rd of our people steeped in illiteracy, and vast segments of otherwise literates, under the spell of fundamentalism, superstitions, dogma, communalism, casteism, fanaticism, materialism, and of course, unemployment and under-employment which nurture all kinds of anti-social trends, notwithstanding pontifical exhortations from various platforms.

Realizing the critical situation, in which our educational system had got enmeshed, a national debate was launched by the Government of India in 1985. The Programme of Action, which has consequently emerged, underscores the importance of greater rigour and discipline in academic pursuits, arrangements which facilitate autonomy for experimentation and innovation, circumstances which bring out the best among the teachers and the students, and above all, a re-dedication of all—the political leadership, administrative personnel, the parents, teachers and students—in the great task of nation building.

The Andhra proposal is a step in this direction.

While the line of approach is unexceptionable, there are certain unanswered questions in the note under circulation, such as the following :

1. Would it be possible for the Cooperatives to meet the initial requirements of the funds needed for establishing the Junior (Community) Colleges? If not to what extent State aid or assistance from neighbouring industries shall be forthcoming and on what conditions ?
2. How would the teaching staff/instructors of the requisite calibre be recruited ?
3. Wherefrom the teaching material/equipment for various trades to be taught shall be obtained ?
4. Considering the paucity of resources, would it not be advisable to start Junior Colleges, specialising in different trades/vocation at different centres ?
5. Has any thought been given to the marketability/employability of the graduates of these colleges ?

It is to be hoped that the State Government shall give due consideration to these and other allied questions and further that it shall not allow the proposals to just wither away, as has been the fate of many such proposals in the past. ☐

Colleges in the Cooperative Sector

(Continued from page 1)

the knowledge and approval of the Government, so as to cover expenditure on its running and a fair return on the capital invested for development and distribution as dividend.

(vi) The management of the College would vest in an Executive Committee elected for one year by the members. The Executive Committee will monitor, supervise and control the administration of the institution, besides looking into the discipline of the teaching staff, non-teaching staff and students. The Executive Committee periodically reviews the functioning of the institution and introduces new branches of general and technical study according to local needs

and in consonance with the developments in science and technology. The Executive Committee can appoint Sub-Committees to look after the overall maintenance and run of various departments like hostel, library, laboratory, play-ground, etc.

(vii) The college will maintain such books of account as may be prescribed. The accounts will be got audited annually through authorised auditors. The annual report of the College, as well as the audited balance sheet, will be submitted to the Government within 6 months from the close of the academic year.

(viii) The college will be run on self-financing basis without any aid, whatsoever, from Government. ☐

INDIAN SCIENCE CONGRESS

Platinum Jubilee Session

Seventy-fifth session of the Indian Science Congress Association is being organised at Pune under the auspices of the Poona University from January 7-12, 1988. To commemorate the Platinum Jubilee session of this premier science association of the country, we publish below the life-sketch of Professor C.N.R. Rao, General President of the 75th session of the Indian Science Congress and details of the Sectional Presidents of its thirteen sections.

Prof Chintamani Nagesa Ramachandra Rao is the Director of the Indian Institute of Science, Bangalore. Until recently, he was the Chairman of the Solid State and Structural Chemistry Unit and the Materials Research Laboratory of this Institute. He was earlier the Head of the Department of Chemistry and also the Dean of Research at the Indian Institute of Technology, Kanpur. He was Visiting Professor, Purdue University, 1967-68, 1982; Commonwealth Visiting Professor, University of Oxford, 1974-75 and Fellow, St Catherine's College, Oxford, distinguished Visiting Professor La Trobe University Melbourne, and Jawaharlal Nehru Visiting Professor, University of Cambridge (1983-84) and Professorial Fellow, King's College, Cambridge.

He is a Fellow of the Royal Society, London, the Indian Academy of Sciences, and the Indian National Science Academy. He is a Foreign Member of the Serbian & the Slovenian Academies of Sciences, Yugoslavia and the American Academy of Arts & Science and a Founding Member of the Third World Academy of Sciences.

His research interests include Solid State Chemistry, Surface Science, Spectroscopy and Molecular Structure. He has over 500 research publications and 18 books to his credit. He is a member of

Editorial Boards of many International Journals dealing with Chemical Physics, Spectroscopy and Solid State Chemistry.



Prof C N R Rao

Among the honours he has had, mention may be made of: Marlow Medal (1967) of the Faraday Society, England, for research contributions to Physical Chemistry; Bhatnagar Award (1968) in Chemical Sciences for outstanding research contributions; Yadnapalli Medal and Prize (1973) by the Indian Chemical Society, for outstanding research contributions in Physical Chemistry, Jawaharlal Nehru Fellowship (1973) awarded by the Jawaharlal Nehru Memorial Fund; Sir C.V. Raman Award for Experimental Research in Physical Sciences (1975) of the University

Grants Commission, ACS Centennial Foreign Fellowship (1976), Federation of the Indian Chambers of Commerce and Industry (FICCI) award in Physical and Mathematical Sciences (1977) for outstanding research contributions, S.N. Bose Medal for Physical Sciences (1980), of the Indian National Science Academy, the Royal Society of Chemistry (London) Medal (1981) for outstanding contributions to Solid State Chemistry. He was awarded by the President of India 'Padma Shri' in 1974 and 'Padma Vibhushan' in 1985.

Prof C.N.R. Rao has been associated with various important national and international organizations. He is the Vice-President of the International Organization of Chemistry for Development. He is the Chairman of the Science Advisory Council to the Prime Minister and the General President of the Indian Science Congress Association. He is a Member of the Rector's Advisory Committee of the United Nations University. He is also a Member of the Atomic Energy Commission and of the Central Advisory Board of Education, Government of India, and a Director of the Hindustan Aeronautics Ltd.

Prof. Rao is Past President of the International Union of Pure & Applied Chemistry and of the Indian National Science Academy.

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Indo-Soviet Youth Seminar

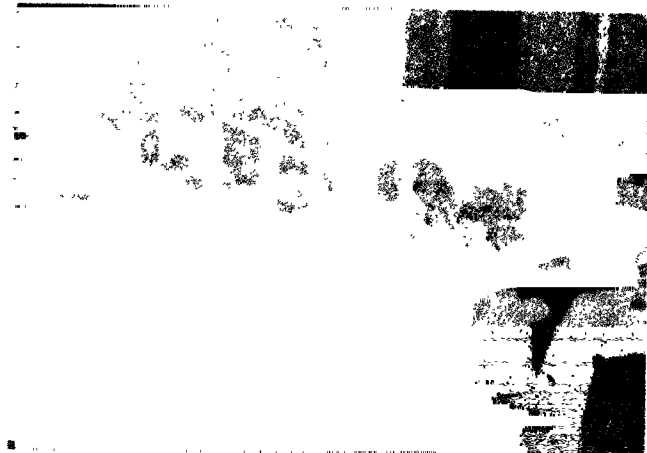
An Indo-Soviet Youth Seminar on "Delhi Declaration—Programme of Peace and Stability in the Asian Pacific Region and World Over" was held at the University of Poona, Pune on December 8, 1987. The Seminar was held as a part of the Festival of USSR in India to mark the 70th anniversary of Russian Revolution and 40th year of Indian Independence.

The Soviet youth led by Mr. Vladimir Dyomin were accorded a warm welcome by Dr. V.G. Bhide, Vice-Chancellor of Poona University, who observed that the Soviet Union had created the need for new political thinking marked by an openness and restructuring in their policies heralded by their leader, Mr. Mikhail Gorbachev. 'Delhi Declaration' jointly made by Mr. Gorbachev and the Prime Minister Rajiv Gandhi during November had stressed the need to work for global peace, he added. The Soviet youth leader Mr. Dyomin said that the Soviet youth support the declaration to create an opinion for solving vital

international problems. He maintained that the Soviet youth came to India to exchange experiences and to share their views on pro-

blems relating to their cultural and contemporary life.

The participants observed that the 'Delhi Declaration' aims at achieving a nuclear-weapon-free and non-violent world.



A Soviet Youth making his presentation at the Seminar

Postgraduate Diploma in Education Management

The SNDT Women's University has introduced a Postgraduate Diploma in Education Management for training and development of educational administrators. This diploma, the first of its kind in the country, offers administrators an opportunity to improve their individual performance as managers and thus enhance the efficiency and effectiveness of their organisation.

The objectives of the course are :

(i) To acquire and enhance skills for personal and professional growth and development and to strengthen their ability to perform effectively at senior levels;

(ii) To understand modern management concepts and apply them to *situations in education*; to strengthen selected management skills required in educational environment;

(iii) To analyse the organisational environment of the University system with particular reference to their role as managers; and

(iv) To become effective change agents.

The course is spread over forty weeks, consisting of alternated contact-cum-self instruction phases (eight weeks of contact and thirty-two weeks of self instruction phases). It will include 5 taught units and a project unit i.e. Unit 1 : Education as a system; Unit 2 : Individual/Organisational Behaviour; Unit 3 : Management of Resources; Unit 4 : Managing Curriculum Development; and Unit 5 : Planned change.

The course is conducted by the faculty of Department of Education Management of the university. In

addition, visiting faculty from leading industrial and service institutions are invited. The teaching/learning strategies used in the programme include the experiential learning mode, case studies, role-play, individual exercises and interaction with eminent educational administrators.

Further details may be had from Dr. Lena D'Souza, Head, Department of Education Management, S.N.D.T. Women's University, Bombay-20.

Case for Health Universities

Dr. A. Venugopal, Professor Emeritus, Madras Medical College delivered the Shantilal C. Sheth endowment lecture at Bombay recently. He observed that autonomy for institutions of higher learning and the need to create medical universities to revamp medical education were the need of the hour.

Speaking on "Progress of education with particular reference to medical education and its challenges and strategies", Dr. Venugopal said : "In a world where tolerance is becoming a rare virtue and where freedom of thought is being seriously assailed from many directions, universities must be havens of refuge for all devotees of truth". Bemoaning the "interference in the working of educational institutions", Dr. Venugopal said universities should be permitted to function autonomously within the Constitutional framework.

Stating that he sought freedom for universities so as to enable them to perform their duties to society

and the state, Dr. Venugopal asked how an educational institute could "accept the decision to grant recognition to colleges which in the opinion of experts had not yet come up to the required standards."

He said the time had come to set up a medical grants commission which would "evaluate the achievements, assess the requirements and ensure proper functioning" of universities. Stating that different universities in a state were over-seeing the functioning of various colleges much to the detriment of a uniform and high standard, Dr. Venugopal said there must be a university of health sciences in each state. This would facilitate multi-disciplinary research involving the disciplines of medicine, life sciences and physical sciences. He said several new facilities like health management, health economics, social and behavioural sciences and nutrition could be started, the need for which was felt even today.

Nurturing Talent for Defence Labs

Seven universities in the country will shortly receive highly sophisticated computers from the Defence Ministry as part of its campaign to identify and hire budding scientific talent. The universities are Cochin, Madurai, Andhra, Mysore, Pune, Allahabad and Indore.

Besides the computers, worth Rs. 4.9 crores, each university would receive a recurring grant of Rs. 12 lakhs every year to maintain the staff and build a library for the computer. According to Prof. S. Sampat, who is Consultant to the Ministry and also Chairman of the recruitment and assessment committee of the Defence Research Development Organisation (DRDO), the universities would train 30 students each at the master's level

in computer science. They would also get scholarship of Rs. 800 each and a library grant, besides hostel allowance and would be under an obligation to work in the defence research laboratories under the DRDO umbrella.

Prof. Sampat said the defence ministry granted some 200 scholarships each year to students who have completed master's degree in electronics for training in computer software.

box, clutch, ground wheel drive and transmission mechanism to operate the seed metering discs are mounted. Detachable side wings are provided to the existing shovel for proper placement of seed at the required depth. A square bar is provided at the rear of the cultivator for covering the seeds with soil.

News from Agril. Varsities

Improving Haryana Cattle

Haryana Agricultural University (HAU) has launched a project for genetic improvement of native breed of cows i.e. the popular Haryana breed. The Indian Council of Agricultural Research (ICAR) has provided Rs 70 lacs during the current plan period for this project which is sanctioned initially for four years. This breed is prominently available in the north-western plains of the country which comprise Haryana, part of Punjab, Western U.P. and Eastern Rajasthan.

The main thrust in the programme taken up by the Deptt. of Animal Breeding is to improve the Haryana cattle for milk production without adversely affecting the draft capacity through a systematic and scientific approach of progeny testing. To begin with, it is proposed to procure pedigreed meritorious Haryana bulls. The germplasm (semen) of these bulls would be frozen, conserved and disseminated extensively on some of the selected herds of Haryana. HAU scientists will locally breed the cattle, monitor and collect information on the performance of the progeny born out of the germplasm of these bulls.

In all, a team of 8 scientists would be working on this project and the work will be executed simultaneously at 5 places in Haryana including the HAU

Department of Animal Breeding. Some of the male offspring born out of research matings will be retained for use as future bulls.

At present the average yield of a Haryana cow is about 4 litres. The scientists propose to raise the level of yield to 8 litres through the proposed system of genetic improvement of the breed without affecting the draft capability of the animal. The objective is to increase its milk yield under the local agro-climatic and socio-economic system.

Cultivator-cum-Seed Planter

A seed planter attachment to the tractor driven cultivator suitable for sowing mainly groundnut and also maize, sorghum, pulses and bengalgram has been developed by the Tamil Nadu Agricultural University, Coimbatore. The attachment consists of a simple frame on which the seed

The cost of the unit (attachment alone) is approximately Rs. 4000. It can cover an area of 4.0 ha/day of 8 hours. The cost of operation is Rs. 128/ha with the saving in cost of Rs. 17/ha and time of 18 hours/ha.

World Bank Aid for HAU

The World Bank is reported to have agreed to finance Haryana Government's plan to update the infrastructural facilities of the Regional Research Station (RRS) of the Haryana Agricultural University (HAU) under the National Agricultural Extension Programme (NAEP). This was revealed by Shri M.S. Rathee, Vice-Chancellor of the university while reviewing the technology developed at the Bawal-campus for the ecologically handicapped regions.

According to Mr. Rathee, "the first instalment of the World Bank assistance amounting to Rs. 26 lakhs had already been received and the same was proposed to be utilized

**UNIVERSITY NEWS
WISHES
ITS READERS
A HAPPY NEW YEAR**

sed to expand the trainees' hostel, laboratories and the seminar hall of the RRS. In phase-2 additional

residential accommodation would be provided for the staff posted at this prestigious RRS.

6.1.88

"Hair : Cables of Information"
"Variations On A Theme :
Skeletal Adaptations"
"Japanese Encephalites"

News from Abroad

Research into Agricultural Chemicals

The first national research centre for the study of the effects of agricultural chemicals on freshwater systems in rural and urban areas has been established at Brisbane's Griffith University. The centre for catchment and in-stream research is one of 12 "centres" of concentration to be opened throughout Australia with funding from the Australian Water Research Advisory Council. They will consider problems of water management.

fund further research work beyond three years. Griffith University and research bodies such as the Queensland Water Resources Commission and the Rural Credits Fund will match the funding levels.

A team of researchers will predict, control and monitor the rate of herbicide and pesticide runoff from Australian agricultural lands, and determine the ecological effects of chemicals on freshwater life. Team leader Dr. Angela Arthington, a water ecologist and senior lecturer, said pollution by agricultural chemicals had become a significant problem in rural and semi-rural areas, partly because the rapid expansion of minimum tillage management practices to aid soil conservation had resulted in increased herbicide use.

Funding of more than \$1 million over the next three years will develop research in the analysis, modelling, monitoring and management of water pollution problems in freshwater systems. The advisory council has approved a \$510,000 grant for establishment of the Griffith centre and will continue to

7.1.88

No. Telecast

8.1.88

"Painting Potentials"
"University Roundup"
"Progressive Waves & Stationary Waves"

9.1.88

"Cinematic Eye : The Cabinet Of Dr. Caligari"
"Language Of Gestures-VI"

10.1.88

No Telecast

11.1.88

"Chemistry Of Manmade Fibres-I"
"Quantum Theory : Standing Waves And Energy Levels"
"The Fictitious Forces : Their Origin"

12.1.88

"Defence Mechanism : Conflict"
"The Origins & Adaptiveness Of Behaviour"

13.1.88

"Betelvine Cultivation-I"
"Birds Of No Frontier"
"Growth In Animals"

14.1.88

"Energy And Architecture"
"Early Andhra Coins"

15.1.88

"Journey Through The Solar System Jupiter Odyssey"
"Juggling With Physics"

News from UGC

INSAT-1B Programme of UGC

Between 4th January to 15th January, 1988 the following schedule of telecast on higher education through INSAT-1B under the auspices of the University Grants Commission will be observed. The programme is of one hour duration every day from 12.45 p.m. to 1.45 p.m. (Repeated from 4 p.m. to 5 p.m.) and will be available on the TV Network throughout the

country. For the viewers in Delhi and surrounding areas these programmes can be seen on the second channel.

4.1.88

"Steel, Stars and Spectra"
"Fulse Circuits-II"
"In a Laser Beam"

5.1.88

No Telecast

Established in 1965, the AIU Library has acquired over the years a valuable collection of books and documents on Higher Education. Among the topics prominently represented are Educational Sociology, Educational Planning, Educational Administration, Teaching & Teachers' Training, Examinations, Economics of Education and Country Studies. Developing fields of Adult Education, Continuing Education and Distance Education, and Educational Technology are also well stocked. The Library is particularly strong in its collection of reports whether they are on the setting up of different universities or on the state of Higher Education. Files of Annual Reports of different universities are also maintained. Readers are kept informed of the latest acquisitions through our column 'Additions to AIU Library'.

The Library also receives about a 100 periodical titles on Higher Education. All these are indexed regularly and a select list appears every month as 'Current Documentation in Education'.

Doctoral Degrees awarded during the preceding month are reported as 'Theses of the Month' while registrations made for such degrees are flashed as 'Research in Progress'. Bibliographies are also compiled and supplied on demand.

Research scholars and students of education are welcome to use these resources. The Library is open from 9-00 a.m. to 5-30 p.m. Monday through Friday. Access can also be had through inter library loan for which requisition must be made through your Librarian.

RESEARCH IN PROGRESS

A List of Research Scholars Registered for Doctoral Degrees of Indian Universities

SOCIAL SCIENCES

Psychology

1. Kausbhik, Avenindra Kumar. *A comparative study of first generation tribal youth in urban setting with non-migrant tribal youth on some aspect of the mental health and their attitude towards modernization.* HS Gour. Dr. Y.S. Bagraicha.
2. Shukla, Anand Prakash. *A study of some personality correlates of religiosity in three religious communities of Sagur.* HS Gour. Prof. Jai Prakash.
3. Tiwari, Anil Kumar. *A study of psychological and educational problems of school going children of Gond Tribe.* HS Gour. Dr. Y.S. Bagraicha.

Social Work

1. Belinda, Chandra Samuel. *A study on quality of family life of alcoholics.* Shivaji. Dr. T.B.B.S.V. Ramanaiah.
2. Mohan, A. *Public knowledge and attitude towards leprosy.* Shivaji. Dr. T.B.B.S.V. Ramanaiah.
3. Ramasamy, P. *Psychosocial sequelae in head injury.* Shivaji. Dr. T.B.B.S.V. Ramanaiah.

Political Science

1. Virmani, Narendra Kumar. *Contribution of Urdu to the process of politicization in the Indian freedom struggle with special reference to M.P.: A critical and analytical study.* Devi Ahilya. Prof. B.R. Sethi and Dr. Afaq Ahmad.

Economics

1. Rathore, Rajkumari. *Madhya Pradesh mein shahri arasiya yojnaon ka istinatmak adhyayan, 1975 se 1985 tak.* Devi Ahilya. Dr. M.V. Kapde.

Public Administration

1. Jogindra Vail. *Organisation and administration of nursing services in District hospitals of North India.* Panjab. Dr. (Mrs) Indarjit Walia and Dr. R.K. Sapru.

Education

1. Bedi, Sangeeta. *Classroom interaction patterns in relation to some teacher characteristics and their effect on learning outcomes of science students at high school level.* Panjab. Dr. Anand Bhushan.
2. Dutt, Haas Raj. *Growth and development of teacher education in Jammu and Kashmir State, 1947-87.* Panjab. Dr. G.S. Sodhi.
3. Manocha, Vineta. *Development of textual material of Biology for class IX using Bruner's concept attainment model of teaching.* Devi Ahilya. Dr. U.C. Vashistha.
4. Phaeuwakul, Nuanphaphat. *Effect of clinical supervision on teacher effectiveness in relation to intelligence and self-concept of secondary school teachers of Thailand.* Panjab. Dr. (Mrs.) Asha Mohan.
5. Seth, Poonam. *Effect of parental interaction and educational intervention for optimizing the integrated development of pre-school children.* Panjab. Dr. Anand Bhushan.

6. Srinivasan, Nalini. *Psycho-social and educational profiles of adolescents in relation to scientific and mathematical creativity at + 2 stages*. HS Gour. Dr. S.P. Ahluwalia.
7. Verma, Usha. *A critical study of the universalization of elementary education in Madhya Pradesh*. HS Gour. Dr. Ashok Kalia.

Commerce

1. Singh, Jai Pratap. *Personnel practices in Indian telecommunication in U.P.* BHU. Dr. A.A. Ansari.
2. Singh, Rajiva Kumar. *Unlown States financial relations in India*. BHU. Dr. V. Kumar.

Home Science

1. Kashyap, Sushma. *Nutrition and health consequence pregnancy and lactation*. Delhi. Dr. Sushma Sharma.
2. Nag, Bhavani. *Effect of maternal participation in labour market, wage income and disposal on the health and nutritional status of pre-school children in rural Indian villages*. Delhi. Dr. Sushma Sharma.

HUMANITIES

Language & Literature

English

1. Agrawal, Rajesh Kumar. *Naturalism in the novels of Frank Norris*. HS Gour. Dr. H.S.S. Bais.
2. Chaturvedi, Neelam. *Imagery in Kalidasa's plays and Shakespeare's last plays: A comparative stylistic study*. HS Gour. Dr. R.S. Pathak.
3. Dwivedi, Pratibha. *The novels of D.H. Lawrence: A study of his technique*. HS Gour. Dr. A.K. Awasthi.
4. Jacob, Beena. *A linguistic analysis of Hemingway's short stories*. HS Gour. Dr. (Mrs) S. Sivaraman.
5. Jain, Karuna. *The fictional world of George Orwell*. HS Gour. Dr. C. Sengupta.
6. Khan, Roshan B. *Major themes in novel writing techniques of the two Indo-Anglian women novelists (a) Kamla Markandaya (b) Ruth Praver Jhabvala*. Devi Ahilya. Dr. R.C. Ojha.
7. Nigam, Anupama. *Priestley the dramatist: A study in themes and technique*. HS Gour. Dr. S. Sengupta.

8. Shashi Kumar. *A study of Arthur Miller's plays*. HS Gour. Dr. S. Sivaraman.
9. Shrivastava, Praveen. *Salman Rushdie as a political novelist*. HS Gour. Dr. R.S. Pathak.
10. Tiwari, Anil Kumar. *Thematic and technical concern in the novels and stories of K.A. Abbas*. HS Gour. Dr. H.S.S. Bais.
11. Tripathi, Anjali. *Themes and technique in the novels of Nayantara Sahgal*. HS Gour. Dr. Urmila Verma.
12. Tripathi, Shyam Kishor. *Thematic patterns in the novels of Nathaniel Hawthorne*. HS Gour. Dr. H.S.S. Bais.

Sanskrit

1. Mamani Devi. *Analytical study of poetical sources in Brahmana Granthas*. BHU. Dr. Kailash Chander Dube.
2. Sadanandan Nair. *Bhaktimanjari of Svattirunai: A study*. Kerala. Dr. P. Visalakshy.

Marathi

1. Mandape, Nilambari Ramesh. *Marathi pradeshik kadambriteel sadh jukteye chitran abhyasachi dig*. Shivaji. Dr. G.M. Pawar.

Malayalam

1. Lukose, Neetha. *The aspects of Bible translation in Malayalam*. Kerala. Dr. N. Bhakthavatsala Reddy.
2. Reghukumar, G. *Kuchela Theme in Malayalam*. Kerala. Dr. N. Som.
3. Tilak, P.K. *The contribution of Pallathu Raman to Malayalam literature*. Kerala. Dr. V. Gangadharan Nair.

Geography

1. Mohammad Abdur Rashid. *Land consolidation: A comparative study of Bangladesh and India*. BHU. Dr. V.R. Singh.

History

1. Kaushal, Priya. *An analysis of Prof. Hari Ram Gupta's historical writings on the Punjab*. Panjab. Dr. R.J. Malhotra.
2. Panicker, P.K. Prabhakara. *Riots in Madras Presidency, 1885-1947*. Kerala. Dr. V. Sankaran Nair.

THESES OF THE MONTH

A List of Doctoral Theses Accepted by Indian Universities.

SOCIAL SCIENCES

Psychology

1. Agrawal Nirupama. *A study of variability of information processing measures of cognitive capacity in relation to tribe and diverse ecological settings*. Rajasthan. Dr. S.N. Sinha.
2. Khan Quamar Ali. *A psychological study of tension among the University students*. Magadh.

3. Rathi, Sushila. *A study of certain psycho-social aspects of convicts as affected by their age, socio-economic status and nature of crime*. Sukhadia. Dr. G.C. Rai.

4. Tomar, Rajesh Kumari. *The study of supervisory leadership in Indian situation*. Delhi.

5. Varadpande, Nalini Putushottam. *Manifestations of adolescent stress among collegiate girls*. Nagpur. Dr. C.G. Pandey.

Sociology

1. Arya, Shashi Prabha. *The effects of medical termination of pregnancy on married women: A sociological study*. Bundelkhand. Dr. S.N. Awasthi.
2. Kusbwaha, Shivram Singh. *Gujar jati ke samajik tatha samkritik jeevan ka samajshastriya adhyayan*. Bundelkhand. Dr. G.C. Shrivastava.
3. Swardkar, Asha V. *Voluntary social welfare organizations in Goa: A sociological study*. Shivaji. Dr. V.A. Sangave.
4. Vyas, Yashpal. *Samkaleen nagariya farjatan mein Brahman Samaj. Indore nagar ke Audhiya Brahman Samudaya ke sarvekshan per adharit*. Vikram. Dr. P.N. Khate.
5. Wankhede, Bhaurao Purushottam. *A sociological study of Chandrapur City with special reference to modernization*. Nagpur. Dr. T.N. Valunjkar.

Political Science

1. Abdul Halim. *A study of regional political parties in Assam since independence*. Gauhati. Dr. Niru Hazarika.
2. Banerjee, Smita. *Socio-political thought of Sarvodaya Kurukshetra*.
3. Girish Kumar. *Regional integration in Latin America: A study of Lafta and the Andean Group*. Delhi.
4. Meena Kumari. *Jai Prakash Narayan ke rajnitik chintan ke badalat ayam: Ek sameeksha*. BHU. Prof. Nalini Pant.
5. Mittal, Nirupma. *The Sixth Lok Sabha: A critical study*. Kurukshetra.
6. Nayak Pandav. *State structure of Pakistan: A study of appropriateness of political economy approach, 1947-77*. Rajasthan. Dr. V.R. Mehta.
7. Patil, V.T. *Mahatma Gandhi and the Civil Disobedience Movement: A study in the dynamics of the mass movement*. D. Litt. Magadh.
8. Sarayg Prasad. *Role of Zila Parishad under Panchayati Raj system: A case study of Nalanda Zila Parishad*. Magadh.
9. Singh, Wabengbam Ibohah. *The Vaipheis: A sociological study*. Gauhati. Dr. V.V. Venkata Rao.
10. Yadav, Krishna. *Socio-political awakening of Harijans in Haryana*. Sukhadia. Dr. R.S. Darda.

Economics

1. Anand, Avinder. *Economics of the levels of installed capacity utilization and cost benefit analysis of multi-product milk plant*. Kurukshetra.
2. Anokla, V.K. *An analysis of increase in population in Gujarat*. Saurashtra. Dr. B.H. Joshi.
3. Bharadwaj, Rama Kant. *Dynamics of cotton production and marketing in Rajasthan*. Sukhadia. Dr. B.S. Rathore.
4. Dhaundiyal, Chandra Ballabh. *Population growth and the changing profile of occupational structure in India since 1951*. Kurukshetra.
5. Ibrahim, P. *Fishing industry in Kerala: A study of the impact of technological change*. Kerala. Dr. P.K. Gopinathan Nair.
6. Jain, Abba. *Centre-state financial relations in India with special reference to Finance Commission*. Rajasthan. Dr. J.P. Sharma.
7. Jain, Yadu. *Mobilization of resources through fiscal instruments for economic development in India since 1951*. BHU. Prof. P.K. Bhargava.
8. Kewal Raj. *A comparative analysis of sugar industry in Punjab and Haryana*. Kurukshetra.

9. Lotan Singh. *Impact of dairy cooperative on the economy of rural households in Western Uttar Pradesh*. Kurukshetra.
10. Mehta, Hanuman Singh. *Industrial growth and potential of Shekhawati, Rajasthan*. Dr. H.C. Sharma.
11. Mittal, Ashok. *Pricing and taxation of entertainment in Uttar Pradesh*. BHU. Dr. G.D. Mishra.
12. Mulani, Tuvayab Kasim. *An economic study of famine affected villages of Sangola Taluka in Solapur District in Maharashtra*. Shivaji. Dr. V.B. Ghuge.
13. Pandey, Ravindra Nath. *Kshatriya arthik vikas mein Agrani Bank Yojana ka yogan: Varanasi Janpad ke sandarbh mein ek adhyayan*. BHU. Dr. Rajendra Rai.
14. Pandya, Niranjan Maneklal. *Working of the international monetary system: A critical evaluation*. Bhavnagar. Dr. R.S. Mehta.
15. Purohit, Gulabing. *Marketing of pulses in Rajasthan*. Sukhadia. Dr. S.S. Archarya.
16. Rai, Karuna. *Bhartiya krishi vipanayit bazaron ke sandarbh mein*. BHU. Dr. G.S. Kusbwaha.
17. Ravindran, A.M. *Impact of Gulf money with particular reference to Chowghat, Trichur District, Kerala*. CUST. Dr. V. Karunakaran and Dr. K.C. Sankaranarayan.
18. Shaha, Rupa Shantilal. *A study of integrated rural development programme in Kolhapur District*. Shivaji. Dr. R.R. Doshi.
19. Sharma, Kailash Prasad. *Agriculture technology and its impact on the farm economy of Chittorgarh District, Rajasthan*. Sukhadia. Dr. B.S. Rathore.
20. Sharma, T.C. *Efficiency and cost of education in Universities of Rajasthan*. Sukhadia. Dr. G.M.K. Madnam.
21. Singh, Brajmandol. *Population growth and occupational pattern in a developmental process of the economy of scheduled tribes in Manipur 1951-1981*. Manipur. Dr. L. Tombi Singh.
22. Singh, Mahendra Pratap. *Development expenditure of the Government of India 1951-81*. Prof. Ayodhya Singh.
23. Triveni Prasad. *Swatantrayantan Uttar Pradesh ke kareet rajvya sadhan*. BHU. Dr. Rajendra Rai.
24. Venkat Rao. *An economic analysis and financial management: A study of Andhra Pradesh Agricultural University*. Gulbarga. Dr. H. Basanna.
25. Yadav, Ram Sewak. *Poverty in Bihar and anti poverty programmes for the rural poor, 1951-81*. I. N. Mithila. Dr. P.K. Jha.

Law

1. Appala Naidu, Muddada Venkat. *Absolute uniformity among bills of Lading Governing Carriage of Goods by Sea to promote international maritime trade*. Andhra.
2. Desai, Bharat H. *Legal controls of water pollution: A case study of India*. JNU. Prof. Rahmatullah Khan.
3. Gupta, Surman. *Shareholder democracy in the corporate private sector in India: A critical and comparative study*. Delhi.

Military Studies

1. Chandratreya, Sudhanshu Shekhar. *Prachin Bharat ke yuddhan mein kurneli ka adhyayan*. Gorakhpur. Maj. K.S. Nagar.

Education

1. Babel, Manjula. *Adjustment of foreign students studying in the Universities of Rajasthan*. Sukhadia. Dr. A.B. Pathak.

2. Gantam, Vimal Kumar. *Preparation and validating some remedial measures in the selected areas in Physics of IX standard students*. Devi Ahilya. Dr. P.C. Katiyar.

3. Girdhari Lal. *To compare the effects of individualised and conventional instructions on students achievement in relation to personality types, intelligence and levels of thinking*. Panjab.

4. Golwalkar Shobha. *A study of scientific attitude, creativity and achievement of tribal students of Rajasthan*. Sukhadia. Dr. A.B. Pathak.

5. Gupta, Ashok Chand. *An investigation into administrative effectiveness of principals of Delhi Senior Secondary Schools*. Delhi.

6. Kezikia, N.E. *A study of schemes of logical thought among certain groups of Ugandan adolescent pupils with special reference of quantitative knowledge*. Rajasthan. Prof. N. Vaidya.

7. Khanapuri, Vibhavati Basaveshwar. *Academic achievement, motivation assessment, validation and development*. Karnataka. Dr. G.M. Patted.

8. Manga Devi, N. *A longitudinal study to examine the influence of pre-school education on social maturity, language skills and scholastic achievement of students with and without anganwadi background at primary level*. Osmania.

9. Mishra Amrit Nath. *A study of the hostel life of University students of Haryana*. Kurukshetra.

10. Ponda, Bhujendra Nath. *Personality adjustment, mental health and acculturation among Suora Tribals*. Kurukshetra.

11. Prakasham, D. *A study of teacher effectiveness as a function of school organizational climate and teaching competency*. Ravishankar. Dr. V.P. Sharma.

12. Saikia, Parul. *A critical study of the social philosophy in education*. Gauhati. Dr. K.P. Bora.

13. Sharma, Rameshwari. *A comparative study of children of the working and non working mothers*. Sukhadia. Dr. A.B. Pathak.

14. Warjri, Kynsat M. *A study of parent-child relationship in Khasi and Mizo Societies with special reference to its relevance on the adjustment and education of children*. NEHU. Dr. P.P. Gokulanathan.

Commerce

1. Bapna, M.S. *Regional banks in Rajasthan: A study of their working and growth*. Sukhadia. Dr. P.K. Srivastava.

2. Chaudhary, S.S. *A study of managerial effectiveness in Rajasthan State Electricity Board*. Sukhadia. Dr. P.K. Srivastava.

3. Dikshit, Chandrakant. *Madhya Pradesh mein vidyut upadan ke vikas ke samanyayen*. Devi Ahilya. Dr. A.G. Sharma.

4. Ghanashyam Nath. *Study of Assam State Electricity Board*. Gauhati. Dr. Sujit Sikidar.

5. Joon, S.H. *Socio-economic conditions of mining labour in Rajasthan*. Sukhadia. Dr. P.K. Srivastava.

6. Kalabhai, Sujayendra Daniel. *The role of commercial banks in financing the scheme for providing self-employment to educated unemployed youth: Regional study of Hubli-Dharwad Corporation area in Karnataka State*. Karnataka. Dr. B.M. Wali.

7. Kolekar, Bajarang Dattatray. *A study of human resources development in selected public sector undertakings in Maharashtra and Goa*. Shivaji. Dr. P.S. Rao.

8. Mathur, Jagdish Saran. *Rajasthan State Road Trans-*

port Corporation: An appraisal of its working. BHU. Dr. M.N. Mishra.

9. Mohammad Harunar Rashid. *Changing profile of the accounting function: An evolutionary process*. Calcutta.

10. Mohanty Subhansu Sekhar. *Capital issues in India*. BHU. Prof. R.A. Singh.

11. Prasad, Hanumara Babu Ravindra. *Management of Andhra Pradesh State Road Transport Corporation in Andhra Pradesh*. Durgawati. Dr. Vinod Audholia.

12. Singh, Hari Nath. *Agricultural Credit System in India*. BHU. Dr. K.N. Sharma.

13. Singh, Ram Buchan. *Impact of new economic technology on income distribution amongst farmers in Ramgarh Block of Rohtas District, Bihar*. Magadh.

14. Swami Koshore Kumar. *Depreciation accounting in Sugar industry India*. Rajasthan. Dr. K.N. Gupta.

15. Trivedi, I.V. *Working and development of public sector Banks in Rajasthan*. Sukhadia. Dr. R.D. Saxena.

Home Science

1. Kesharwani, Suneta. *A role of parental acceptance and rejection on adjustment and achievement of the child*. Durgawati. Dr. R.P. Srivastava.

2. Munshi, Bhagyalaxmi Manohar. *Money management, practice of home makers in Nagpur City*. Nagpur. Dr. (Mrs) Sunanda Sonari.

3. Tarnekar, Meenakshi Shrikishna. *Practices of home-makers regarding the rearing of children in Nagpur City, age group 12 to 20 years*. Nagpur. Dr. (Mrs) Asha B. Nimkar.

Business Management

1. Modi, Pradeep Kumar. *District credit plan management in Rajasthan*. Rajasthan. Dr. R.B. Upadhyaya.

2. Sharma, Shashi Kant. *Working capital management in Tobacco industry in India*. Rajasthan. Dr. S.C. Jain.

The Freedom Struggle and the Dravidian Movement

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Sl. No. (1)	Post (2)	Department (3)	College (4)	No. of Posts (5)
GROUP—I : Arts, Commerce, Business Management, Law, Social Sciences, Education and all languages.				
(A) PROFESSORS				
(Reservation and roster not applicable for Professor's posts)				
1.	Professor	Commerce	S.V.U. Coll. of A & S, Tpt.	One
2.	Professor	Commerce	S.V.U.P.G. Centre, Cuddapah	One
3.	Professor	Commerce	S.V.U.P.G. Centre, Kavali	One
4.	Professor	Economics	S.V.U.P.G. Centre, Kurnool	One
5.	Professor	Library & Informa- tion Science	S.V.U.Coll. of A & S, Tpt.	One
6.	Professor	Philosophy	-do-	One
7.	Professor	Public Adminis- tration	S.V.U.P.G. Centre, Cuddapah	One
8.	Professor	Sanskrit	S.V.U.Coll. of A & S, Tpt.	One
9.	Professor	Indian Culture	S.V.U.O.R.I. Tirupati	One
(B) READERS				
(Out of 22 permanent vacancies, (including those already advertised), 3 posts are reserved for SCs, 2 posts are reserved for STs, and 5 posts are reserved for BCs. Out of 3 temporary vacancies only 1 post is reserved for SC)				
10.	Director of Physical Education	Physical Education	S.V.U.Coll. of A & S, Tpt.	One
(C) LECTURERS				
(Out of 23 permanent vacancies (including those already advertised) 3 posts are reserved for SCs, 2 posts are reserved for STs; and 5 posts are reserved for BCs. Out of 7 temporary vacancies, (including those already advertised) 1 post is reserved for SC and 1 post is reserved for BC)				
11.	Lecturers	Arabic, Persian & Urdu	S.V.U.Coll. of A & S, Tpt.	Two*
12.	Lecturers	Business Management	-do-	Two*
13.	Lecturer	Commerce	-do-	One*
14.	Lecturers	Commerce	S.V.U.P.G. Centre, Kavali	One* +
15.	* Lecturer	Econometrics	S.V.U.Coll. of A & S, Tpt.	One One*

1	2	3	4	5
16.	Lecturer	Economics	S.V.U.P.G. Centre, Kurnool	One*
17.	Lecturer	Economics	S.V.U.Coll. of A & S, Tpt.	One (Ty.)
18.	Lecturer	French (under Area Studies Programme)	S.V.U.Coll. of A & S, Tpt.	One*
19.	Lecturer	Library & Informa- tion Science	-do-	One*
20.	Lecturer	Philosophy	-do-	One*
21.	Lecturer	Public Administra- tion	S.V.U.P.G. Centre, Cuddapah	One (Ty.)
22.	Lecturer	Population Studies	S.V.U.Coll. of A & S, Tpt.	One*
23.	Lecturer	Sociology	-do-	One*
24.	Lecturers	Telugu	-do-	Two* (One Ty.)
25.	Lecturers	Telugu	S.V.U.P.G. Centre, Kurnool	Two* (Ty.)
26.	Lecturers	Area Studies Pro- gramme Centre for Studies on Indo-China	S.V.U. Coll. of A & S, Tpt.	Two*(Ty.) (One in Economics/ Political Sc. & the other in Khmer/ Laotian Language One (Philosophy of Visistadvita)
27.	Lecturer in Philosophy	TTD Chair Centre for SV Studies	S.V.U.O.R. Institute	Four (One each in Music, Theatre Arts, Dance & Fine Arts)
28.	Lecturers	Performing Arts	S.V.U.Coll. of A & S, Tpt.	One*
29.	Physical Director	Physical Education	-do-	One*
30.	Physical Instructor	-do-	-do-	One
31.	Placement Officer	Business Management	-do-	One*

GROUP—II : Sciences

(A) PROFESSORS

(Reservation and roster not applicable for Professor's posts)

32.	Professor	Geology	S.V.U.Coll. of A & S, Tpt.	One
33.	Professor	O.R. & S.Q.C.	S.V.U.P.G. Centre, Kurnool	One
34.	Professor	Zoology	S.V.U.Coll. of A & S, Tpt.	One

(B) READERS

(Out of 13 permanent vacancies (including those already advertised), 1 post is reserved for SC, 1 post is reserved for ST and 2 posts are reserved for BCs. Out of 5 temporary vacancies (including those already advertised), 1 post is reserved for SC, and 1 post is reserved for BC)

1	2	3	4	5
35.	Reader in Virology	Botany	S.V.U.Coll. of A & S, Tpt.	One (Ty.)

(C) LECTURERS

(Out of 10 permanent vacancies (including those already advertised) 1 post is reserved for SC, 1 post is reserved for ST, 2 posts are reserved for BCs. Out of 5 temporary vacancies, (including those already advertised) 1 post is reserved for SC and 1 post is reserved for BC)

36.	Lecturers	Bio-Chemistry	S V U.Coll. of A & S, Tpt.	Two (Ty.)
37.	Lecturer	Botany	-do-	One*
38.	Lecturers in Virology	Botany	-do-	Two (Ty.)
39.	Lecturer	Chemistry	-do-	One*
40.	Lecturer	Chemistry	S V U.P.G Centre, Cuddapah	One
41.	Lecturer	Chemistry	S.V.U.P.G. Centre, Kurnool	One
42.	Lecturer	Geology	S.V.U.P.G. Centre, Cuddapah	One*
43.	Lecturers	Mathematics	S.V.U.Coll of A & S, Tpt	Two*
44.	Lecturer	Mathematics	S V O Coll of Engg, Tpt	One (Ty.)
45.	Lecturer	Physical Anthropology & Pre-Historic Archaeology	S V.U Coll of A & S, Tpt	One*
46.	Lecturer	Zoology	-do-	One*
47.	Lecturer	Zoology	S.V.U P.G. Centre, Kaval	One

GROUP—III Engineering

(A) PROFESSORS

(Reservation and roster not applicable for Professor's post)

48.	Professor of Electronics & Commn. Engg	Electrical and Electronics Engg.	S V.U Coll. of Engg, Tpt.	One
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(B) READERS

(Out of 6 permanent vacancies (including those already advertised) 1 post is reserved for SC and 1 post is reserved for B.C. Out of 4 temporary vacancies (including those already advertised) 1 post is reserved for SC and 1 post is reserved for BC)

(C) LECTURERS

(Out of 4 permanent vacancies (including those already advertised), 1 post is reserved for SC, 1 post is reserved for BC. Out of 6 temporary vacancies (including those already advertised) 1 post is reserved for SC and 1 post is reserved for BC)

1	2	3	4	5
49	Lecturers	Civil Engg	S V.U Coll of Engg , Tpt	One* + Two (Ty) One*
50	Lecturer in Electrical Engg	Electrical & Electronics Engg	do-	
51	Lecturer in Electronics & Commn Engg	-do-	-do-	One*
52	Lecturers	Mechanical Engg	-do-	Two* (One Ty.) + One (Ty)
53	Lecturers	M C A	S V U Computer Centre, Tpt	Two* (Ty)

Note * Such of those candidates who have applied in response to this office Advertisement Nos FII(2) 85(1) dated 7.2.85 and F II(2) 1986(1), dated 15.5.1986 need not apply again. Improved qualifications, publications etc., if any, may be furnished for consideration.

SCALES OF PAY

Professor	Rs 1500-60-1800 100 2000 125 2-2'00
Reader	Rs 1200-50-1300-60-1900
Lecturer	Rs. 700-40-1100-50-1600
Director of Physical Education	Rs 1100-50-1600
Physical Director	Rs 700-30-1060-35-1200
Physical Instructor	Rs 550-20-850-25 900
Placement Officer	: Rs 700-40-900-EB-40 1100-50-1300

All the above posts carry D A etc. at the university rates

There will be reservation for S C S T B C candidates for the posts of Readers Lecturers according to the rules of roster of the Government of Andhra Pradesh

Teachers are inter transferable between the University Colleges at Tirupati and PG Centres at Cuddapah, Kavalu and Kurnool

Selected candidates should be prepared to work at any of the campuses of the University at Tirupati or at PG Centres of the University in Kurnool Cuddapah and Kavalu

The prescribed application form and other particulars can be had from the Registrar, Sri Venkateswara University, Tirupati-517 502, Andhra Pradesh from 28.12.1987 onwards on payment of Rs 10 - (Rupees ten only) by a **Crossed Demand Draft** of the said value drawn in favour of the Registrar, Sri Venkateswara University, Tirupati-517 502, Andhra Pradesh. The University will not be held responsible for any postal delays. **Indian Postal Orders, Bank Challans and Money Orders will not be accepted**

The requisition for the application forms must be accompanied by a self-addressed envelope of the size of 12" x 8" duly affixing stamps worth Rs 5 - Requisitions received without self-addressed and stamped envelope, and/or without requisite fee will be rejected.

Application fee once paid will neither be refunded nor adjusted towards any fee payable

The filled-in applications received after due date (i.e., at 5.00 P.M. on 25-1-1988) will be rejected.

The University reserves to itself the right to increase or decrease the number of posts, to fill or not to fill any or all of the above posts, to relax the qualifications when candidates with prescribed qualifications are not available or are not found suitable and to appoint candidates to the posts lower than the ones they have applied.

Candidates called for interview have to attend at their own expenses

C Subba Raju
REGISTRAR

KARNATAKA REGIONAL ENGINEERING COLLEGE

POST : SRINIVASNAGAR,
SURATHKAL

D.K. DISTRICT, MANGALORE,
KARNATAKA STATE

Notification No. DTE. 134 EST (4) 87

Dated : 14th December, 1987

Applications are invited for the post of Principal, Karnataka Regional Engineering College, Surathkal, Post Srinivasmagar, Dakshina Kannada District, Karnataka State.

The pay scale of the post is Rs. 2250-125 2-2500-EB-125 2-2750 (Central Scale to be revised).

The age and qualification for the post is as follows :

Age : Not less than 40 years and not more than 55 years as on 1.1.1988.

Academic Professional Qualification and Experience :

Essential : (1) First Class (Or Equivalent) Master's Degree Doctorate Degree in Engineering and Technology OR Applied Sciences.

(2) At least 15 years experience in two or more of the following fields :

(a) Teaching at an Institution of University Standard.

(b) Research in a Recognised Institution or Organisation.

(c) Industry including Government Departments Senior Executive position.

(d) Planning and Administration of Technical Education

At least Five Years Experience should be in Teaching in an Engineering Institution of University Standard.

Desirable

1. Professional Scientific Research work of outstanding merit.

2. Experience in Curriculum Development Administration and Planning of Technical Institution at Degree and Post-Graduate level.

3. Published work of High Standard.

4. Membership of Professional Bodies.

The appointment will be on probation for two years.

The post carries the responsibility of Member-Secretary of the Board of Governors of the College.

Application complete in all respects with full Bio-Data and copies of certificates should be sent to the Director of Technical and Mining Education, Palace Road, Bangalore-560 001, Karnataka, so as to reach on or before 5th February 1988, 5 P.M. The envelope should be superscribed as "Application for the Post of Principal, Karnataka Regional Engineering College, Surathkal", and should be sent by name to the undersigned by Registered Post with acknowledgement due.

Candidates already in service should send their applications through their employees within the said date or submit "No Objection" Certificate from their employers before or at the time of interview. The candidates will not be allowed to participate in the interview, if this condition is not fulfilled.

The date and place of interview will be intimated to the candidates by Registered Post to the address given in the application. Any request for postponement of interview will not be entertained. Applications received including the in-service candidates after the due date will not be considered.

D.K. Satyanarayana Setty
DIRECTOR OF TECHNICAL AND
MINING EDUCATION

TATA INSTITUTE OF SOCIAL SCIENCES

DEONAR, BOMBAY-400 088

No. Admn Advt. 87 December 22, 1987

Applications are invited for the following posts. The prescribed application form, along with details of qualifications, experience, etc., prescribed for the posts, should be obtained from the above address either in person or by post, by sending an application for the same along with a stamped (Rs. 2.00) self addressed envelope superscribed "REQUEST FOR APPLICATION FORM FOR TEACHING POST".

1. Reader (One post) in the Department of Extra Mural Studies, having M.A. degree in Social Work (55% of marks) with experience in conducting short-term programmes and/or continuing education; candidates should be willing to work in the evening. Scale of pay : Rs. 1200-50-1300-60-1900 (unrevised).

2. Lecturer (Two posts) : One post in the Department of Extra Mural Studies,

(reserved for Scheduled Caste candidates) having a degree in medicine, or a post-graduate degree in Management or Social Sciences / Social Work with a Ph.D. degree in the field of health/hospital administration. Preference will be given to persons with a degree or diploma in health/hospital administration. Candidates should be willing to work in the evening. In case suitable SC candidates are not available, general candidates may be considered for temporary appointment for 6 months period; One post in the N.S.S. Unit, having M.A. Degree in Social Work, Extension Education or Rural Development (55% of marks). Candidates, especially without a Social Work or Extension Education degree, must have 2 years' experience in N.S.S. Pay Scale Rs. 700-40-1100-50-1600 (unrevised).

3. Superintendent (Hostel) (One post, for ladies only), having second class graduate degree in Home Science or in Hotel Management or with 5 years' experience as Housekeeper Hostel Supervisor Knowledge of typing preferred Pay scale Rs. 600-30-750-1150 (unrevised), rent free accommodation.

4. Assistant Managing Editor (One post) in the Publication Department, having M.A. degree in English language and literature or M.A. degree in Journalism and B.A. degree in English language and literature or M.A. Degree in Social Sciences and qualifications in Journalism Publications or experience in a publishing company. Candidates should have 55% of marks in M.A. degree. Minimum 3 years' experience in teaching at University College level or editing journals books or in a publishing company preferred. Pay Scale Rs. 700-40-1100-50-1600 (unrevised)

Asstt. Registrar (Publications) (One post), having M.A. Degree, preferably in English or Social Sciences or Journalism (55% of marks). The candidates must know good English and must have familiarity with the work of printing and publications and administrative experience to manage the publication Department. Pay Scale Rs. 700-40-1100-50-1600 (unrevised).

The last date for receipt of filled in application form is 25.1.1988.

T.V. Subramanian
ASSISTANT REGISTRAR
(Personnel)